The WAVE ID Mobile combines a dual frequency programmable credential reader with integrated **Bluetooth**® low energy technology.

In addition to reading both proximity (125/132 kHz) and contactless (13.56 MHz) smart cards, the reader also interacts with **Bluetooth** low energy enabled mobile devices. Such mobile devices can carry secure authentication and identification credentials, making it ideal for a variety of applications in every industry.

Mobile Credential

The WAVE ID Mobile reader has been specifically designed for use with industry-leading mobile credential solutions by Safetrust (safetrust.com). The reader contains built-in support for the Safetrust Wallet application for iOS and Android™ which enables mobile credential authentication for secure print, single sign-on (SSO), point-of-sale (POS) transactions and other activities.

The Safetrust Wallet receives Virtual Credentials from the Safetrust Credential Manager and sends these credentials to the WAVE ID Mobile reader, to enable access. Safetrust Wallet can support multiple organizations to store and manage a range of credentials types for different buildings and applications in real time. The integration enables users to leverage their mobile device or their traditional employee ID badge for flexible authentication, allowing organizations to migrate to mobile network credentials at their own pace.

Simplify Authentication

rf IDEAS® programmable card readers enable customers seeking to leverage their existing card system or mobile device for applications beyond building access. Badge-based reader solutions eliminate the need to manually enter user names and passwords, streamlining workflow and eliminating errors for identification. Other features include:

• Dual card reader and Bluetooth low energy module in one device, saving a USB port for other peripherals

• Instant identification and authentication with your mobile smart device or employee ID badge

• Four badge (credential) configurations to accommodate multi-card systems and mobile credentials

• User-selectable volume control including a beeper on/off setting selection

Seamless Integration

The reader's plug-and-play functionality requires no additional software for seamless integration with most common operating systems and applications compatible with USB keyboard inputs. The rf IDEAS Universal Software Developers Kit (SDK) easily enables developers to integrate the WAVE ID Mobile readers into their application software programs. Solutions that leverage the employee ID badge data are easily created resulting in added benefits to their application such as single sign-on, cashless cafeteria, industrial vending or time and attendance.

Trust begins here.™

Common Applications

The introduction of the badge reader with Bluetooth low energy technology paves the way to an unlimited number of applications. Here are just a few of the most common applications, by key industry that can utilize rf IDEAS dual band badge readers with **Bluetooth** low energy technology.

	HEALTHCARE	GOVERNMENT	MANUFACTURING	ENTERPRISE
Single Sign-on	+	+	+	+
Time & Attendance	+	+	+	+
Training Compliance	+	+	+	+
Secure Printing	+	+	+	+
Location Tracking	+	+	+	+

STANDARD FEATURES	
Model Series	RDR-30581BKU-SFT Desktop Keystroking Reader RDR-30582BKU-SFT Desktop SDK Non-Keystroking Reader RDR-30081BKU-SFT Desktop Keystroking Reader w/iCLASS™ ID & Seos™ RDR-30082BKU-SFT Desktop SDK Non-Keystroking Reader w/iCLASS ID & Seos
Operating Frequency	125/132 kHz and 13.56 MHz
Interface	USB
WAVE ID Plus SDK	DK-PCPRX-DOWNLOAD
Badge Configurations	Up to 4, user-definable
PHYSICAL CHARACTERISTICS	
Dimensions (inches)	Height 0.6" (1.52cm) x Width 2" (5.08cm) x Length 3 3/8" (8.57cm)
Weight	4.0 ounces (113.40g)
Form Factors	Desktop, Black
Cable Length	6' standard; 6" and 16" lengths available
Indicators	LED indicator (green, amber, red)
Volume Control	User-selectable beeper volume (low, medium, high) plus beeper on/off setting
Power Supply	USB powered
Power Consumption	Reader only: 70 mA typical, 100 mA maximum Reader and Bluetooth on: 85mA typical, 120 mA maximum
ENVIRONMENT	
Operating Temperature Range	-22° to 150°F (-30° to 65°C)
Operating Humidity Range	5% to 95% relative humidity, non-condensing
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
OTHER	
Certifications *(Please contact rf IDEAS for information about other global certifications)*	FCC-United States; CE Mark-Europe; RCM-Australia; IC-Industry Canada; UL Environmental: RoHS, REACH
Compatible Operating Systems	Windows XP®, 7®, 8.1®, 10® and Linux
Card Types	Supports nearly all physical card types worldwide; contact rf IDEAS for specific card type questions.

4020 Winnetka Avenue, Rolling Meadows, IL 60008   //   Toll Free: (866) 439-4884 //
Voice: (847) 870-1723   //   Fax: (847) 483-1129   //   Email: sales@rfIDEAS.com   //   rfIDEAS.com

PA-119